

What is claimed is:

1. A driving device for a module, comprising:

a first rigid frame;

a second rigid frame;

an active gear wheel disposed on said first rigid frame;

a passive gear wheel disposed on said second rigid frame;

a driving belt engaged with said active gear wheel and said passive gear wheel;

a rigid component having a first end and a second end, said first end being affixed to said first rigid frame, said second end including a vertical surface and being connected to said second rigid frame; and

an elastic component having a first end and a second end, said first end being in contact with the vertical surface of said second end of said rigid component, said elastic component sleeving said second end of said rigid component;

wherein said elastic component interacts with said second rigid frame to allow said second rigid frame to move along the axis of said rigid component within a predetermined distance when required to adjust the tension of said driving belt.

2. The driving device of claim 1, wherein said elastic component is a spring.

3. The driving device of claim 1, wherein said second rigid frame comprises:

a first component with a first hole; and

a second component with a second hole and a surface, said second component being spaced from said first component by a predetermined space;

wherein said rigid component is sleeved into said first hole and said second hole, said elastic component is disposed between said first component and said second component, and said second end of said elastic component is in contact with said surface of said second component.

4. The driving device of claim 1, wherein said module movably connects to said rigid frame.

5. The driving device of claim 3, wherein said second end of said rigid component has a cut-off surface to prevent said second rigid frame from rotating.

6. The driving device of claim 5, wherein said first hole of said second rigid frame defines a rim cooperating with said cut-off surface of said rigid component to prevent said second rigid frame from rotating.

7. The driving device of claim 5, wherein said second hole of said second rigid frame defines a rim cooperating with said cut-off surface of said rigid component to prevent said second rigid frame from rotating.

8. A scanner comprising:

 a driving device for a module;

 wherein said driving device further comprising:

 a first rigid frame;

 a second rigid frame;

 an active gear wheel disposed on said first rigid frame;

 a passive gear wheel disposed on said second rigid frame;

 a driving belt engaged with said active gear wheel and said passive gear wheel;

 a rigid component having a first end and a second end, said first end being affixed to said first rigid frame, said second end including a vertical surface and being connected to said second rigid frame; and

 an elastic component having a first end and a second end, said first end being in contact with said vertical surface of said second end of said rigid component, said elastic component sleeving said second end of said rigid component.

9. A multiple function peripheral comprising:

a driving device for a scanning module;

wherein said driving device further comprising:

a first rigid frame;

a second rigid frame;

an active gear wheel disposed on said first rigid frame;

a passive gear wheel disposed on said second rigid frame;

a driving belt engaged with said active gear wheel and said passive gear wheel;

a rigid component having a first end and a second end, said first end being affixed to said first rigid frame, said second end including a vertical surface and being connected to said second rigid frame; and

an elastic component having a first end and a second end, said first end being in contact with said vertical surface of said second end of said rigid component, said elastic component sleeving said second end of said rigid component.

10. The driving device of claim 1, wherein said module is a scanning module for scanning an image.